

Site Name: OLD AMERICAN ZINC PLANTEPA ID: IL0000034355NPL Status: Superfund AlternativeRegion: 05Section: SFD/RRB#1/RRS3:090594401Primary RPM: Desai, SheilaGM Survey Status: Contaminated Ground Water Migration Under Control

Estimated Date for Sufficient Data

Estimated Under Control Date:

Justification Type: GMID-GMUCJustification Date: 7/1/2010

GM Last Review Date:

09/14/2012RPM Certified: Yes

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Q. Does the site currently have contaminated groundwater or did site conditions warrant EPA's investigation or remediation of groundwater contamination in the past?

Answer: Yes

No

STOP. You do not  
need to complete  
the GM EI

Yes

Step 1. Based on the most current data on the site, has all available / relevant / significant information on known and reasonably suspected releases to groundwater been considered in this determination?

Answer: YesSDMS/Control Number: 313602, 372421, 382977

List Reference Document(s):

03/09 RI Report, Final FS Report 2012, March 2012 Proposed PlanInsufficient  
Data / No

Yes

Step 2. Is groundwater known or reasonably suspected to be contaminated above appropriately protective risk-based levels (applicable promulgated standards, as well as other appropriate standards, guidance, or criteria) anywhere at or from the site?

Answer: YesSDMS/Control Number: 313602

List Reference Document(s):

03/09 RI Report, Final FS Report 2012, March 2012 Proposed PlanInsufficient  
Data

No

Contaminated  
Groundwater  
Migration Under  
Control

Yes

Step 3. Is the migration of contaminated groundwater stabilized (such that contaminated groundwater is expected to remain within "the existing area of contaminated groundwater") as defined by the monitoring locations designated at the time of this determination?

Answer: YesSDMS/Control Number: 313602

List Reference Document(s):

03/09 RI ReportInsufficient  
Data

No

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Yes

(continued from previous page)

Insufficient  
Data

Step 4. Does "contaminated" groundwater discharge into surface water bodies? If yes, please proceed to Step 5. If no, please scroll down to Step 6.

Answer: **No**

SDMS/Control Number: **313602**

List Reference Document(s):

**03/09 RI Report**

Yes

Insufficient  
Data

Step 5. Can the discharge of "contaminated" groundwater into the surface water be shown to be "currently acceptable" (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy can be made and implemented)?

Answer:

SDMS/Control Number:

List Reference Document(s):

Yes

Insufficient  
Data

Step 6. Will groundwater monitoring / measurement data (and surface water / sediment / ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater"?

Answer: **Yes**

SDMS/Control Number:

List Reference Document(s):

**02/12 FS Report (430114), March 2012 Proposed Plan**

Yes

Insufficient Data to Determine  
Contaminated Groundwater  
Migration Under Control Status

Contaminated Groundwater  
Migration Under Control

Contaminated Groundwater  
Migration Not Under Control

Approvals (Initial and Date)

| RPM | Section Chief | Technical Review | Branch Chief | IMC | Data Entry |
|-----|---------------|------------------|--------------|-----|------------|
|     |               |                  |              |     |            |

Site Name: OLD AMERICAN ZINC PLANTEPA ID: IL0000034355NPL Status: Superfund AlternativeRegion: 05 Section: SFD/RRB#1/RRS3: 090594401 Primary RPM: Desai, SheilaHE Survey Status: Current Human Exposure Not Controlled

Estimated Date for Sufficient Data

HE Estimated Control Date: 12/31/2014LTHHP Estimated Control Date: 9/30/2015Justification Type: HEUC-HENCJustification Date: 09/09/2009HE Last Review Date: 9/14/2012RPM Certified: Yes

Justification Text: If site status has changed, please enter a justification as to why the status has changed:

03/09 RI Report

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Step 1: Is there sufficient known and reliable information to make an evaluation on human exposure at this site?

Answer: **Yes**SDMS Number(s): **313602, 372421, 283977**List Reference Document(s): **03/09 RI Report**

No

Insufficient Data  
to Determine  
Human Exposure  
Control Status

Yes

Step 2: Have all long-term human exposure-related cleanup goals been met for the entire site?

Answer: **No**SDMS Number(s): **313602**List Reference Document(s): **03/09 RI Report**

Yes

Long-Term  
Human Health  
Protection  
Achieved

No

Step 3: Are there complete human exposure pathways between contaminated groundwater, soil surface water, sediment, or air media and human receptors such that exposures can be reasonably expected under current conditions?

Answer: **Yes**SDMS Number(s): **313602**List Reference Document(s): **03/09 RI Report**

No

Yes

Step 4: Are the actual or reasonably expected human exposures associated with the complete pathways identified in Step 3 within acceptable limits under current conditions?

Answer: **No**SDMS Number(s): **313602**List Reference Document(s): **03/09 RI Report**

No

Current Human  
Exposures Not  
Controlled

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Yes

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Step 5: Is the site Construction Complete, is the remedy operating as intended, and are engineering and institutional controls (if required), in place and effective?

Answer:

SDMS Number(s):

List Reference Document(s):

No

Current Human  
Exposures  
Controlled

Yes

Current Human  
Exposure  
Controlled and  
Protective  
Remedy in Place

Step 6: Are there continuing exposures at the site? Answer Yes only if EPA (or a state or PRP) has exhausted all response actions and legal authorities to prevent unacceptable human exposure, yet exposures continue due to a refusal by the property owner(s) to participate in the remedy (e.g., refusal to accept a municipal water supply hookup) AND the region wishes to exercise its discretion to classify this site as Human Exposure Under Control, consistent with the requirements laid out in the Superfund Environmental Indicators Guidance (OSWER 9285.02, March 2008, pages 4-10 and 4-11).

Answer:

### Exposure Pathway Description

If Human Exposure is NOT under control, please describe the exposure pathway.

☐ Approved by Headquarters Environmental Coordinator

Unofficial

The Old American Zinc site is considered "Current Human Exposures Not Under Control." In 2002 and 2003 a removal action was conducted by the PRPs to address lead contamination in residential yards, commercial lots and vacant lots. Some contaminated residential yards remain contaminated because the owners refused access for the removal action. In addition, the March 2009 RI Report documents metal concentrations, including lead, zinc, cadmium and arsenic, that exceed long-term health-based limits for human exposure in soils in several residential yards, vacant lots, and alleyways near the site. Owners of contaminated residential property have been informed about the contamination and have been provided information about how to control exposures via fact sheets and community interviews. These properties will need to be remediated as part of the overall remedial action for the site. A ROD is planned for summer 2012.

Official

### Approvals (Initial and Date)

| RPM | Section Chief | Technical Review | Branch Chief | IMC | Data Entry |
|-----|---------------|------------------|--------------|-----|------------|
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